

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A polymeric composition comprising:
 - (a) a free-radical reactive polymer,
 - (b) an organic peroxide having a half-life, measured at least 130 degrees Celsius, longer than that of dicumyl peroxide, and the organic peroxide is a dialkyl peroxide selected from the group consisting of 2,5-bis(tert-butylperoxy)-2,5-dimethylhexane and 2,5-bis(tert-butylperoxy)-2,5-dimethyl-3-hexyne, and
 - (c) a graftable stable organic free radical,wherein the stable organic free radical (i) substantially suppresses degradation of the polymer in the presence of the free-radical inducing species and (ii) being graftable onto the polymer after the polymer forms a free radical.

2. (Currently Amended) A polymeric composition comprising:
 - (a) a free-radical reactive polymer,
 - (b) an organic peroxide having a half-life, measured at least 130 degrees Celsius, longer than that of dicumyl peroxide, and the organic peroxide is a dialkyl peroxide selected from the group consisting of 2,5-bis(tert-butylperoxy)-2,5-dimethylhexane and 2,5-bis(tert-butylperoxy)-2,5-dimethyl-3-hexyne, and
 - (c) a graftable stable organic free radical,wherein the stable organic free radical (i) substantially suppresses carbon-carbon crosslinking of the polymer in the presence of the free-radical inducing species and (ii) being graftable onto the polymer after the polymer forms a free radical.

3. (Currently Canceled)

4. (Currently Canceled)

5. (Currently Amended) The polymeric composition of any of Claims 1 [– 4] or 2 wherein the graftable stable organic free radical [having] has a functional group.

6. (Original) The polymeric composition of Claim 5 wherein the functional group is selected from the group consisting of a hydroxyl group, amino groups, carboxyl groups, and urethane groups.